

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	327	(600/25).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 07:50
S2	92	(181/126).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 07:51
S3	303	(623/24).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:06
S4	36	S3 and hear\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:01
S5	90	(607/55).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:08
S6	95	(607/56).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:11
S7	0	(381/129).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:20
S8	400	(181/129).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:15
S9	69	(181/134).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:16
S10	410	(181/135).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:16
S11	106	(381/23.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:22

S12	1094	(381/312).CCL.S.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:31
S13	656	(381/328).CCL.S.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:39
S14	85409	(vibrat\$5 or assembly) and hear\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:44
S15	8015060	hous\$3 or cas\$3 or cover \$3 or protect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:41
S16	49530	microphone and (coil or wir \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:43
S17	710944	(electrode near array) or array	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:42
S18	164312	piezo\$electric\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:43
S19	158236	(vibrat\$5 or assembly or aid or transduc\$3 or mask \$3) and hear\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:51
S20	145823	S19 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:53
S21	9348	S20 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:54
S22	3074	S21 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:54
S23	821	S22 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 08:55

S24	20	S23 and (inertia\$2 near mass)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 09:17
S26	11	((("5800336") or ("5360388") or ("5277694") or ("5772575") or ("5498226") or ("6251062") or ("6358281") or ("20020019669") or ("5906635") or ("6272382") or ("6308101")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 09:33
S27	49	("20050020873" "6217508" "6217508" "6807445" "20020138115" "20040133250" "5498226" "5879283" "5997466" "6005955" "20060087203" "4606329" "4776322" "5015225" "5338287" "5282858" "5707338" "20060025648" "6251062" "5012520" "4628907" "6039685" "20050197524" "20050203557" "6176879" "4957478" "5015224" "6985599" "20040028249" "20040032962" "20040057588" "5814095" "5411467" "5881158" "5999632" "6516228" "20050256561" "6736770" "20020051550" "20020051551" "5360388" "6198971" "6259951" "6565503" "6575894" "6629923" "6697674" "7033313" "20010031996" "20010049466" ).pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 09:33
S28	22	(US-20020026091-\$ or US- 20020019668-\$ or US- 20020019669-\$ or US- 20020138115-\$).did. or (US-6592512-\$ or US- 6554762-\$ or US-6005955- \$ or US-5707338-\$ or US- 6358281-\$ or US-6308101- \$ or US-6272382-\$ or US- 5906635-\$ or US-5800336- \$ or US-5772575-\$ or US- 5277694-\$ or US-6807445- \$ or US-6629923-\$ or US-	US-PGPUB; USPAT	OR	OFF	2006/11/27 12:59

		6251062-\$ or US-6217508-\$ or US-5997466-\$ or US-5879283-\$ or US-4628907-\$). did.				
S29	11	S28 and hous\$3 and microphone and coil and array and piezo\$9	US-PGPUB; USPAT	OR	ON	2006/11/27 14:11
S30	1	("5772575").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/28 09:37
S31	1	("6005955").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 14:49
S32	1	("5707338").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/27 14:53
S33	1771	(magnetostrict\$3 near transduc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/28 09:39
S34	322	S33 and (hearing or audi \$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/28 09:39
S35	1931	(magneto\$strict\$3 near transduc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 09:57
S36	348	S35 and (hearing or audi \$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/28 09:43
S37	127	S36 and (electro\$static or electro\$thermal)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/28 09:40
S38	59	S35 and (hearing or auditory)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/28 09:58
S39	2534	(electro\$static\$3 with transduc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:17
S40	166	S39 and (hearing or auditory)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/28 09:59

S41	797	(electro\$static\$3 near transduc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 09:58
S42	88	S41 and (hearing or auditory)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/28 10:19
S43	2536	(electro\$thermal\$3 with transduc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:21
S44	2474	(electro\$thermal\$3 near transduc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:27
S45	6	S44 and (hearing or auditory)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/28 10:18
S46	7	S43 and (hearing or auditory)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/28 10:19
S47	2064	S43 and (aid or impair\$4 or device)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:22
S48	3	S47 and ear	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:23
S49	158	S47 and sound	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:23
S50	63	electro\$thermal\$3 and hearing	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:43
S51	42	electro\$thermal\$3 same hear\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:36
S52	2474	electro\$thermal\$3 near transduc\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:36

S53	1661	S52 and (ear or medical or hearing or impair\$4 or body or patient or user)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:37
S54	1680	S52 and (ear or medical or hearing or impair\$4 or body or patient or user or sound)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:37
S55	169	S52 and (ear or hearing or sound)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:38
S56	161	S52 and sound	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:39
S57	8	S52 and (ear or hearing)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:38
S60	161	S52 and sound	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:39
S61	107	electro\$thermal\$3 and ear	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:43
S62	16	electro\$thermal\$3 same ear	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:44
S63	0	electro\$thermal\$3 with ear	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:44
S64	1	electro\$thermal\$3 same hearing	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 10:45
S65	32	electro\$thermal\$3 same sound	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 11:01
S66	4	electro\$thermal\$3 and vibrat	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 11:01

S67	1594	electro\$thermal\$3 and vibrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 11:02
S68	249	electro\$thermal\$3 same vibrat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 11:02
S69	19	S68 and (hear\$3 or sound)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 11:02
S70	26	S68 and (hear\$3 or sound or acoustic)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 12:08
S71	5136	inertial near mass	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 12:08
S72	35	S71 and (hearing near (device or implant\$2 or aid))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 12:09
S73	26	S72 and (platinum or gold or iridium or lead or rhenium or alloy)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/28 12:10
S74	1	("6408496").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/29 10:54
S75	32049	hearing and (aid or device or implant)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/29 09:04
S76	74811	titanium same thick\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/29 09:03
S77	220	S75 and S76	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/29 09:03
S78	3000163	ring or ridge or groove	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/29 09:04

S79	120	S77 and S78	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/29 09:04
S80	7707	hearing near (aid or device or implant)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/29 09:04
S81	93	S76 and S80	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/29 09:05
S82	1	("5772575").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/29 11:44
S83	56	(conduct\$3 near layers) and (hearing near (aid or device or implant\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/11/29 12:06
S84	3	(bend near (clip or fasten \$3)) with layer	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/29 12:07
S85	125	(bend with (clip or fasten \$3)) with layer	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/29 12:08
S86	1	S85 and hear\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/29 12:08
S87	150926	(clip or fasten\$3 or attach \$4) with layer	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/29 12:09
S88	135	S87 and piezo\$electric\$4 and hearing	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/29 12:10
S89	40	S88 and (piezo\$electric\$4 with layer)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/11/29 12:10



S90	30	(US-20050203557-\$ or US-20020138115-\$ or US-20020019669-\$ or US-20020019668-\$ or US-20040234086-\$ or US-20020071585-\$ or US-20030125602-\$ or US-20020026091-\$ or US-20050137447-\$).did. or (US-6005955-\$ or US-5707338-\$ or US-5906635-\$ or US-6592512-\$ or US-6251062-\$ or US-6217508-\$ or US-4628907-\$ or US-5879283-\$ or US-6629923-\$ or US-6308101-\$ or US-6272382-\$ or US-6408496-\$ or US-6822929-\$ or US-6807445-\$ or US-5997466-\$ or US-6351541-\$ or US-6554762-\$ or US-5800336-\$ or US-5772575-\$ or US-5277694-\$ or US-6358281-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/08/06 14:33
S91	4	S90 and os\$eo\$integrat\$3	US-PGPUB; USPAT	OR	OFF	2007/08/06 14:50
S92	364	(600/25).CQLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/06 14:36
S93	25	S92 and os\$eo\$integrat\$3	US-PGPUB; USPAT	OR	OFF	2007/08/06 14:39
S94	18	S93 and @ad<"20030723"	US-PGPUB; USPAT	OR	OFF	2007/08/07 13:16
S95	93	(181/126).CQLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/06 14:50
S96	1622	os\$eo\$integrat\$3	US-PGPUB; USPAT	OR	OFF	2007/08/06 14:51
S97	1107	S96 and @ad<"20030723"	US-PGPUB; USPAT	OR	OFF	2007/08/07 08:43
S98	23	(groove or ridge) with os\$eo\$integrat\$3	US-PGPUB; USPAT	OR	OFF	2007/08/07 08:42
S99	18	S98 and @ad<"20030723"	US-PGPUB; USPAT	OR	OFF	2007/08/06 14:52
S100	3	S99 and (ear or hear\$3 or auditory)	US-PGPUB; USPAT	OR	OFF	2007/08/07 08:42
S101	185	S97 and (ear or hear\$3 or auditory)	US-PGPUB; USPAT	OR	OFF	2007/08/07 11:30

S102	154	S97 and (ear or hear or hearing or auditory)	US-PGPUB; USPAT	OR	OFF	2007/08/06 14:55
S103	7907	(groove or ridge) with anchor\$3	US-PGPUB; USPAT	OR	OFF	2007/08/07 08:42
S104	237	S103 and (ear or hear or hearing or auditory)	US-PGPUB; USPAT	OR	OFF	2007/08/07 08:43
S105	36	S104 and vibrat\$3	US-PGPUB; USPAT	OR	OFF	2007/08/07 08:43
S106	31	S105 and @ad< "20030723"	US-PGPUB; USPAT	OR	OFF	2007/08/07 11:31
S107	35	(US-20050203557-\$ or US-20050137447-\$ or US-20040234086-\$ or US-20030125602-\$ or US-20020019669-\$ or US-20020138115-\$ or US-20020071585-\$ or US-20020026091-\$ or US-20020019668-\$ or US-20030216699-\$ or US-20030176866-\$ or US-20020110784-\$).did. or (US-6822929-\$ or US-6807445-\$ or US-6629923-\$ or US-6592512-\$ or US-6554762-\$ or US-6408496-\$ or US-6358281-\$ or US-6251062-\$ or US-6351541-\$ or US-6308101-\$ or US-6272382-\$ or US-6217508-\$ or US-6005955-\$ or US-5997466-\$ or US-5906635-\$ or US-5879283-\$ or US-5707338-\$ or US-5800336-\$ or US-5772575-\$ or US-5277694-\$ or US-4628907-\$ or US-6516228-\$ or US-5558618-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/08/07 08:55
S108	13	S107 and vibrat\$3 and (anchor\$3 or os\$seo\$integrat\$3)	US-PGPUB; USPAT	OR	OFF	2007/08/07 09:15
S109	17	S107 and vibrat\$3 and (integrat\$3)	US-PGPUB; USPAT	OR	OFF	2007/08/07 09:15
S110	8	S109 not S108	US-PGPUB; USPAT	OR	OFF	2007/08/07 09:15
S111	15	S107 and silicone	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/07 10:24
S112	49	(silicone with impedance) and (ear or hear\$3 or auditory)	US-PGPUB; USPAT	OR	OFF	2007/08/07 11:31

S113	32	S112 and @ad<"20030723"	US-PGPUB; USPAT	OR	OFF	2007/08/07 11:31
S114	29	(etch\$3 with metal with clip)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/08/07 13:16
S115	7	S114 and @ad<"20030723"	US-PGPUB; USPAT	OR	OFF	2007/08/07 13:17
S116	2322	(181/135 607/55 181/129 623/24 607/56 181/134 381/23.1 381/312 381/328).ccls.	US-PGPUB; USPAT	OR	OFF	2007/08/08 08:20
S117	11678	(piezo\$electric with bond \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/01/31 08:23
S118	2227	S117 and stack\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2008/01/31 08:24
S119	1237	S118 and @ad<"20030723"	US-PGPUB; USPAT	OR	OFF	2008/01/31 08:25
S120	2728	(600/25 181/135 607/55 181/129 623/24 607/56 181/134 381/23.1 381/312 381/328).ccls.	US-PGPUB; USPAT	OR	OFF	2008/01/31 08:26
S121	5	S119 and S120	US-PGPUB; USPAT	OR	OFF	2008/01/31 08:27
S122	4	("4982434").PN. OR ("6068590").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/31 09:32
S123	1	("5277694").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/01/31 09:37
S124	2728	(600/25 181/135 607/55 181/129 623/24 607/56 181/134 381/23.1 381/312 381/328).ccls.	US-PGPUB; USPAT	OR	OFF	2008/01/31 11:30
S125	2812	(600/25 181/135 607/55 181/129 623/24 607/56 181/134 381/23.1 381/312 381/328).ccls.	US-PGPUB; USPAT	OR	OFF	2008/06/12 07:21
S126	0	(implant\$4 and hearing and vibrat\$5 and housing and hermetic and seal\$3 and piezo\$electric and volt \$4 and conduct\$3 and bond \$3 and mass and ring).dm.	US-PGPUB; USPAT	OR	OFF	2008/06/12 07:35

6/ 12/ 2008 7:57:59 AM

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